

## **ABSTRACT**

A packaged medical device produced according to the steps of positioning an antimicrobial agent source within a package comprising an inner surface, said antimicrobial agent being selected from the group consisting of halogenated hydroxyl ethers, acyloxydiphenyl ethers, and combinations thereof; positioning a medical device within the package; and subjecting the package, the antimicrobial agent source and the medical device to time, temperature and pressure conditions sufficient to vapor transfer an effective amount of the antimicrobial agent from the antimicrobial agent source to the medical device, thereby substantially inhibiting bacterial colonization on the medical device. Alternatively, the packaged medical device is produced according to the steps of positioning a medical device within a package; exposing the package having the medical device to an antimicrobial agent source; and subjecting the package having the medical device and the antimicrobial agent source to time, temperature and pressure conditions sufficient to transfer an effective amount of the antimicrobial agent from the antimicrobial agent source to the medical device within the package, thereby substantially inhibiting bacterial colonization on the medical device.